



I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Assistant Commissioner for Patents
Attn: Box Missing Parts
Washington, D.C. 20231

On February 9, 2001

TOWNSEND and TOWNSEND and CREW LLP

By: Sherry Barton

COPY #7
PATENT

Attorney Docket No.: 0939H-071110US
Client Reference No.: P99H4027/US/JJ

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

In Sool Chung
Seong Dong Kim

Application No.:09/691,784

Filed: October 18, 2000

For: IMAGE SENSOR WITH
IMPROVED DYNAMIC RANGE BY
APPLYING NEGATIVE VOLTAGE TO
UNIT PIXEL

Examiner:

Art Unit: 2811

**TRANSMITTAL LETTER –
RESPONSE TO NOTICE OF MISSING
PARTS**

RECEIVED

APR 02 2003

OFFICE OF PETITIONS

Attn: Box Missing Parts
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Pursuant to the Notice to File Missing Parts of Non-Provisional Application
Dated , enclosed are the following to be made of record in the above-identified application:

- 1) Executed Declaration and Power of Attorney
- 2) Petition to Extend Time
- 3) Copy of Notice of Missing Parts

Please charge Deposit Account No. 20-1430 for the following fees:

Large Entity: (a) Filing Fee (\$ 1.16(a)) (Large Entity)

04/11/2003 AREALEY 00000032 201430
710.00
01 FC:1001 80.00
02 FC:1201 80.00
03 FC:1051 110.00
04 FC:1251 110.00

In Sool Chung
Seong Dong Kim
Application No.: 09/691,784
Page 2

PATENT

(b) Excess Claims Fees (§ 1.16(b), (c)):

15 - 20 = 0 x \$18.00 = \$0.00

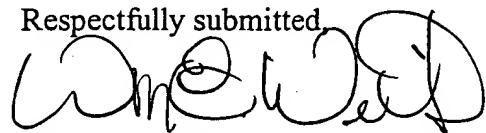
4 - 3 = 1 x \$80.00 = \$80.00

(c) Missing Parts Surcharge \$130.00

TOTAL FEES TO BE CHARGED \$920.00

The Commissioner is hereby authorized to charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to Deposit Account No. 20-1430. This Transmittal Letter is submitted in triplicate.

Respectfully submitted,



William E. Winters
Reg. No. 42,232

Customer No. 20350

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415 576-0300
W1W:rcr

SF 1187492 v1

RECEIVED

APR 02 2003

OFFICE OF PETITIONS



PA-C-H

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	09/691,784
		Filing Date	October 18, 2000
		First Named Inventor	Chung, In Sool
		Art Unit	2811
		Examiner Name	Unassigned
Total Number of Pages in This Submission	1	Attorney Docket Number	00939H-071110US

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1) Fee Transmittal 2) Petition for Revival of an Application for Patent Abandoned Unintentionally under 37 CFR 1.137(b) 3) Statement for Revival of an Application for Patent Abandoned Unintentionally and Request for Refund 4) Copy of Response to Notice of Missing Parts, as filed on February 9, 2001 5) Copy of Notice of abandonment 6) Return Postcard
<input type="checkbox"/> Remarks		The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

RECEIVED
APR 02 2003

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

OFFICE OF PETITIONS

Firm or Individual	Townsend and Townsend and Crew LLP Robert C. Colwell	
Signature		
Date	3/18/03	

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date: 3/25/03

Typed or printed	Anna M. Crompton	
Signature		Date <u>March 25/03</u>

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231. PA 3283871 v1

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1300)

Complete if Known

Application Number	09/691,784
Filing Date	October 18, 2000
First Named Inventor	Chung, In Sool
Examiner Name	Unassigned
Group Art Unit	2811
Attorney Docket No.	00939H-071110US

RECEIVED

APR 02 2003

OFFICE OF PETITIONS

METHOD OF PAYMENT (check all that apply)

Check Credit Card MoneyOrder Other None
 Deposit Account:

Deposit Account Number 20-1430

Deposit Account Name Townsend and Townsend and Crew LLP

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fees from below	Fee Paid

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
1202	18	Claims in excess of 20
1201	84	Independent claims in excess of 3
1203	280	Multiple dependent claim, if not paid
1204	84	** Reissue independent claims over original patent
1205	18	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES	Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051	130	2051	65 Surcharge - late filing fee or oath	
1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130 Non-English specification	
1812	2,520	1812	2,520 For filing a request for reexamination	
1804	920*	1804	920* Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action	
1251	110	2251	55 Extension for reply within first month	
1252	410	2252	205 Extension for reply within second month	
1253	930	2253	465 Extension for reply within third month	
1254	1,450	2254	725 Extension for reply within fourth month	
1255	1,970	2255	985 Extension for reply within fifth month	
1401	320	2401	160 Notice of Appeal	
1402	320	2402	160 Filing a brief in support of an appeal	
1403	280	2403	140 Request for oral hearing	
1451	1,510	1451	1,510 Petition to institute a public use proceeding	
1452	110	2452	55 Petition to revive – unavoidable	
1453	1,300	2453	650 Petition to revive – unintentional	1300
1501	1,300	2501	650 Utility issue fee (or reissue)	
1502	470	2502	235 Design issue fee	
1503	630	2503	315 Plant issue fee	
1460	130	1460	130 Petitions to the Commissioner	
1807	50	1807	50 Petitions related to provisional applications	
1806	180	1806	180 Submission of Information Disclosure Stmt	
8021	40	8021	40 Recording each patent assignment per property (times number of properties)	
1809	750	2809	375 Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810	375 For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801	375 Request for Continued Examination (RCE)	
1802	900	1802	900 Request for expedited examination of a design application	
Other fee (specify) -----				

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

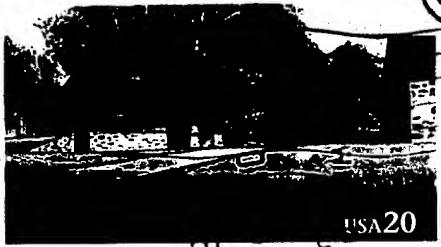
(\$1300)

SUBMITTED BY						Complete (if applicable)
Name (Print/Type)	Robert C. Colwell	Registration No. (Attorney/Agent)	27,431	Telephone	650-326-2400	
Signature	<i>Robert C. Colwell</i>					Date 3/18/03

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. PA 3283861 v1

COPY



RECEIVED
U.S. PATENT & TRADEMARK OFFICE
TOWNSEND AND TOWNSEND AND CREW LLP
20 AM 8:13
TOWNSEND AND CREW

LAW OFFICES
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834

411143823

TO THE U.S. PATENT & TRADEMARK OFFICE FEB 21 2001
Please stamp the date of receipt of the following document(s)
and return this card to us:

RE: In re Patent Appln. of In Sool Chung, et al.

TITLE OF DOCUMENT(S):

TRANSMITTAL LETTER - RESPONSE TO NOTICE OF MISSING PARTS
(in triplicate) together with Executed Declaration and
Power of Attorney, Petition to Extend Time (in triplicate),
Copy of Notice of Missing Parts and Return Postcard

Application No. 09/691,784

File No. 00939H-071110US

Date Due March 6, 2001 (1 month extension)

Date Mailed February 9, 2001

Atty/Secty. WILLIAM E. WINTERS/sb



RECEIVED
APR 02 2003

OFFICE OF PETITIONS

UNITED STATES PATENT & TRADEMARK OFFICE
Washington, D.C. 20231

REQUEST FOR PATENT FEE REFUND

1 Date of Request: 4-9-03

2 Serial/Patent # 09/691,784

3 Please refund the following fee(s):	4 PAPER NUMBER	5 DATE FILED	6 AMOUNT
Filing			\$
Amendment			\$
Extension of Time			\$
Notice of Appeal/Appeal			\$
X Petition	4	3/31/03	\$ 1300 ⁰⁰
Issue			\$
Cert of Correction/Terminal Disc.			\$
Maintenance			\$
Assignment			\$
Other			\$

7 TOTAL AMOUNT OF REFUND \$1300 ⁰⁰

8 TO BE REFUNDED BY:

Treasury Check

X Credit Deposit A/C #: 9, 20-1430

10 REASON:

Overpayment

Duplicate Payment

X No Fee Due (Explanation):

unnecessary

11 REFUND REQUESTED BY:

TYPED/PRINTED NAME: WAN LAYMON

TITLE: Ref. Exa.

SIGNATURE: WAN LAYMON

PHONE: _____

OFFICE: *****

***** THIS SPACE RESERVED FOR FINANCE USE ONLY: *****

APPROVED: Chair Hill

DATE: 4/11/03

Instructions for completion of this form appear on the back. After completion, attach white and yellow copies to the official file and mail or hand-carry to:

Office of Finance
Refund Branch
Crystal Park One, Room 802B

**COPY**

Page 1 of 1

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/691,784	10/18/2000	In Sool Chung	0939H-071110US

20350
TOWNSEND AND TOWNSEND AND CREW
TWO EMBARCADERO CENTER
EIGHTH FLOOR
SAN FRANCISCO, CA 94111-3834

FORMALITIES LETTER

OC000000005600889

Date Mailed: 12/06/2000

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION**FILED UNDER 37 CFR 1.53(b)*****Filing Date Granted***

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 710 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 840.

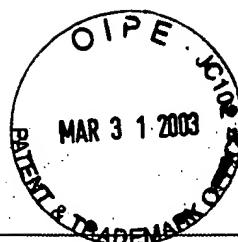
*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

RECEIVED
00 DEC 18 AM 10:30
TOWNSEND & CREW



Commissioner for Patents
Washington, DC 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/691,784	10/18/2000	In Sool Chung	0939H-071110US

20350
TOWNSEND AND TOWNSEND AND CREW, LLP
TWO EMBARCADERO CENTER
EIGHTH FLOOR
SAN FRANCISCO, CA 94111-3834

CONFIRMATION NO. 3696
ABANDONMENT/TERMINATION
LETTER



OC000000009275590

Date Mailed: 12/20/2002

NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 12/06/2000.

- No reply was received.

A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(l); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to "Office of Petitions" at (703) 305-9282.

*A copy of this notice **MUST** be returned with the reply.*

J Stokes
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE